

FUTURE TRENDS IN EDUCATIONAL TECHNOLOGY

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INTRODUCTION

In early time, teachers were the medium of instruction and communication for the learners. But, in the present scenario teacher's role in the class room is more than a medium of instruction for teaching transactions. In recent years, technology has spread its hands almost in all facets like scientific, communication, space and finally now into education. Mass media like radio, television, newspaper and websites are increasingly used in education. Schools and colleges for long time have been the sole medium for imparting information and aiding in the acquisition of knowledge and wisdom. But with the technological development and fast expanding knowledge, new avenues of education have come up.

We are eagerly looking forward as to what will happen in the future so that we can decide how to prepare schools for a new scenario full of challenges and opportunities. The future school will be characterized by its focus on individual learning by using educational technology and group teaching will bestow personalized learning. The teacher has to sensitize the future learners by using various technological activities to enhance the educational needs of heterogeneous groups. In the forthcoming decade, teacher will have to design Individual Education plan and his role will be changed into diagnostician, facilitator, prescriber and resource person. The service of Para-professionals, flexible schedules and independent, study will result in the self-contained classroom which will be fashioned into laboratories and individual work stations. Problem-solving activities designed to emerge the new technological auto-learning with self-evaluation will direct the humanizing type of experiences in learning process. Future content will emphasis on broad understanding, generalization, gaining skill through inquiry, discovering, valuing and developing a consistent and reasoned intellectual view. Student-student interaction, student-technology interaction-student-internet, student-website, and student-computer. As a

result, role of the teacher will become more specialized, calling for a high degree of expertise in grading the educational growth of each and every student.

Now all the schools and colleges have televisions which telecast the tele-education for eliminating the difficulties of the learners and lessening the stress and strain of the teachers. In future, all the poor schools will have the computer and computer education will be engaged to acquire quality education. Maximum administrative works of the educational institutions are effectively maintained by the computers. Modern technological advancement reduces more manual work and maintains the accuracy and time management. In ensuing decade, problems of completing syllabus in stipulated time will not depend upon teachers but it will be maintained by individual learners through technological teaching aids.

Paperless Education

Paperless Education is going to be implemented in future. Computers will begin to replace books. Interactive television and voice-activated computers facility will be offered in all educational institutions and it will encourage the paperless education among the future generation. Computers will be linked with video-discs which provide visual and audio effect. Text-books and note books will not disappear but will assume less importance. It will fascinate the learners and derail their attention from referring to books into the concept following software approach and surfing the net. Teachers will stress on a variety of socializing activities. The future of technology will not lead to neglect of humanistic values. Learners will work together, collaborate, conceptualize problems and formulate situations. Paperless education will encourage the learners more in self-pacing than paper education.

Entertaining learning

In the 21st millennium, learning will be transformed as learning by amusement. Communicative skill can be

developed in the way of recording voice and checking the learners' pronunciation in play way method of learning by using some preferred quality software packages. Small discs or chip modules will play for three to ten minutes on a particular topic. Children in primary schools will learn with desirable happy mood under the guidance of teachers. Computer learning will create the conducive atmosphere in peer learning and self-learning which in turn encourage the learners to learn freely without stress and strain. Children in primary schools will have access under facilitator's guidance to cable channels carrying many information services, including video-text and tele-texts. They will use recordings, covering a range of selected topics playing them back through screen or audio-recordings. Some of the screens will be linked to microcomputers. There can even be a voice synthesizer, which can actually read aloud the words printed in news paper in author's language. The learner- user- friendly -computer amuses the learner with enthusiasm. Hence, the advanced technology has unique place in the park of amusement and pleasure of the learners of young to Adult.

Future school

In future, school will be the place of service exchanging to the community and to the business and industry. Learning through recreational facilities will be available in all schools. It may be also possible to receive electronic media facility talk back to television sets and be heard by the programme host. The new communication technologies will bestow a means for instantaneous feed back from the public.

Technological based method of teaching

Chalk and talk method and one way method of teaching is now being transformed into more fascinated and effective format through the use of PowerPoint presentation. Power point is eliminating the

comprehension and perception power of learners. It facilitates to enhance the lucid teaching and it interacts with the learners for better understanding of the concept. We do not need a plurality of audio-visual hardware. The entire presentation of the content of a lecture is one file in computer pictures which can be drawn by the learners individually without mentors. It includes all the usual, graphic, audio and other components of a lecture presentation of a topic as also the teacher's notes, outline, handout, assignments etc., Such a three dimensional presentation of visual material , changing the perspectives of these while explaining changing the format, colors etc., during the lecture session are also possible making it more dynamic.

Teacher and technology

Dr. A.P.J. Abdul Kalam emphasized the education through technology which captivates learners in quality education. In future, Computer Assisted Instruction or Computer Assisted Management will prove better than all other aids in several respects. Computer may also inject a non-human quality into educational programmes, by the way of dehumanizing the man. So our future educational research should pay its heed on bringing human traits which play a major role in molding the students, to machine oriented teaching and learning situations so the future taughts will not miss them.

References

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